

Authentication

The Huispedia API uses API Keys for authentication that are tied to a specific user account. The API Key needs to be passed in the X-API-Key Header.

The syntax is like this:

```
X-API-Key : <your-api-key>
```

NodeJs code snippet:

```
var axios = require('axios');

var config = {
  method: 'get',
  url: 'https://api.huispedia.nl/v2/properties/107611/52/2',
  headers: {
    'x-api-key': '123456789123456789',
    'Content-Type': 'application/json'
  }
};

axios(config)
  .then(function (response) {
    console.log(JSON.stringify(response.data));
  })
  .catch(function (error) {
    console.log(error);
  });
```

PHP code snippet:

```
<?php
$client = new Client();
$headers = [
  'x-api-key' => '123456789123456789',
  'Content-Type' => 'application/json'
];
$request = new Request('GET', 'https://api.huispedia.nl/v2/properties/107611/52/2', $headers);
$res = $client->sendAsync($request)->wait();
echo $res->getBody();
```

Postcode address API

The address lookup API is available under the following URL:

```
https://api.huispedia.nl/v2/address/lookup/{postcode}/{houseNumber}/{houseNumberExt?}
```

The **houseNumberExt** field is optional. If multiple addresses are available within a postcode and house number combination, all the available addresses will be returned.

Example call:

```
GET https://api.huispedia.nl/v2/address/lookup/1054WJ/36/2 HTTP/1.1
X-API-Key: 1234561233454234
```

The API returns the following response:

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "data": [
    {
      "type": "address",
      "id": 182443,
      "attributes": {
        "street": "Wilhelminastraat",
        "houseNumber": 36,
        "houseNumberExt": "2",
        "houseNumberFull": "36-2",
        "postcode": "1054WJ",
        "city": "Amsterdam",
        "municipality": "Amsterdam",
        "province": "Noord-Holland",
        "latitude": 52.362335,
        "longitude": 4.865887
      },
      "links": {
        "related": "https://api-dev.huispedia.nl/v2/properties/1054wj/36/2"
      }
    }
  ],
}
```

We also provide an endpoint to validate a single address. The difference between the lookup tool is that the full postcode and house number + extension (if applicable) combination should be valid for a single address.

```
https://api.huispedia.nl/v2/address/validate/{postcode}/{houseNumber}/{houseNumberExt?}
```

Example call for an invalid address:

```
GET https://api.huispedia.nl/v2/address/validate/1054WJ/36 HTTP/1.1
X-API-Key: 1234561233454234
```

The API returns the following response:

```
HTTP/1.1 404 Not Found
Content-Type: application/json

{
  "error": "address not found"
}
```

Property basic information API

The property basic information API is available under the following URL:

```
https://api.huispedia.nl/v2/properties/{postcode}/{houseNumber}/{houseNumberExt?}
```

Example call:

```
GET https://api.huispedia.nl/v2/properties/1054WJ/36/2 HTTP/1.1
X-Api-Key: 1234561233454234
```

The API returns the following response:

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "data": [
    {
      "type": "property",
      "id": 182443,
      "attributes": {
        "street": "Wilhelminastraat",
        "houseNumber": 36,
        "houseNumberExt": "2",
        "houseNumberFull": "36-2",
        "postcode": "1054WJ",
        "city": "Amsterdam",
        "municipality": "Amsterdam",
        "province": "Noord-Holland",
        "latitude": 52.362335,
        "longitude": 4.865887,
        "cbsNeighbourhoodId": 3634805,
        "cbsDistrictId": 36348,
        "useSurface": 50,
        "plotSize": null,
        "volume": 130,
        "buildYear": 1900,
        "houseType": "Appartement",
        "houseSubType": "Appartement",
        "energyLabel": "D",
        "huispediaProfileUrl": "https://huispedia.nl/amsterdam/1054wj/wilhelminastraat/36-2",
        "kadasterData": {
          "bagNumberDesignationId": "0363200000328100",
          "bagBuildingId": "0363100012155376",
          "bagObjectId": "0363010000869955"
        }
      },
    },
  ],
  "links": {
    "self": "https://api.huispedia.nl/2/properties"
  },
  "meta": {
    "totalResults": 1,
    "totalPages": 1,
    "currentPage": 1
  }
}
```

Property home value API

The property home value API is available under the following URL:

<https://api.huispedia.nl/v2/homevalue>

URI parameters:

Name	Type	Mandatory	Example	Range
postcode	string	yes	1054WJ	
house_number	integer	yes	36	
house_number_ext	string	no	2	
use_surface	integer	yes	123	
plot_size	integer	no	234	
volume	integer	no	326	
build_year	integer	no	1992	
type	string	no	2-onder-1-kapwoning	'appartement','tussenwoning','hoekwoning','2-onder-1-kapwoning','vrijstaande woning','other'
energy_label	string	no	APLUS	'APLUSPLUSPLUSPLUS','APLUSPLUSPLUS','APLUSPLUS','APLUS','A','B','C','D','E','F','G','UNKNOWN','NOT_REQUIRED'
maintenance	integer	no	good	'EXCELLENT','GOOD','AVERAGE','BELOW AVERAGE','POOR'

Example call

```
GET
https://api.huispedia.nl/v2/homevalue?postcode=5464NK&house_number=52&use_surface=274&plot_size=527&build_year=2003&type=vrijstaande_woning&energy_label=A&maintenance=excellent HTTP/1.1
X-API-Key: 1234561233454234
```

The API returns the following response:

```
HTTP/1.1 200 OK
Content-Type: application/json

{
  "data": {
    "street": "Visven",
    "houseNumber": 52,
    "houseNumberExt": "",
    "houseNumberFull": "52",
    "postcode": "5464NK",
    "city": "Veghel",
    "municipality": "Meierijstad",
    "province": "Noord-Brabant",
    "latitude": 51.633839,
    "longitude": 5.555115,
    "useSurface": 274,
    "plotSize": 527,
    "volume": 1052,
    "buildYear": 2003,
    "houseType": "Woonhuis",
    "houseSubType": "Vrijstaande woning",
    "energyLabel": "A",
    "huispediaProfileUrl": "https://huispedia.nl/veghel/5464nk/visven/52",
    "predictedValue": 801822,
    "predictedValueRange": {
      "lowerBound": 781000,
      "upperBound": 841913
    }
  }
}
```